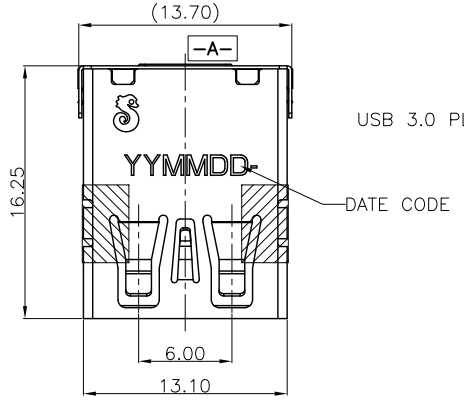
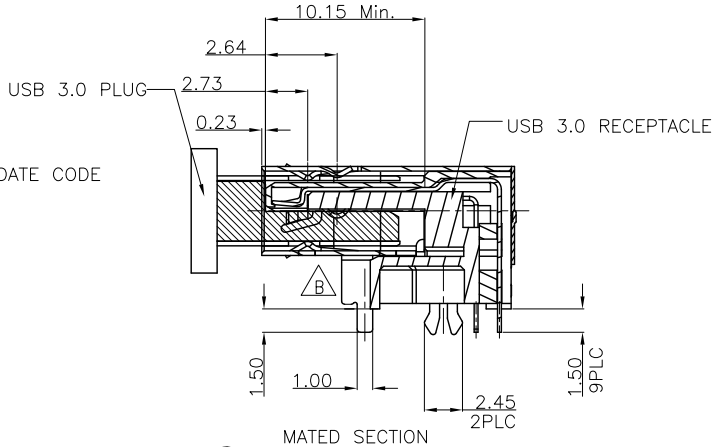
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: T210721-1A	HAOLAN	2022.04.01
B	ECN NO: T2102209-C03	HAOLAN	2022.11.15

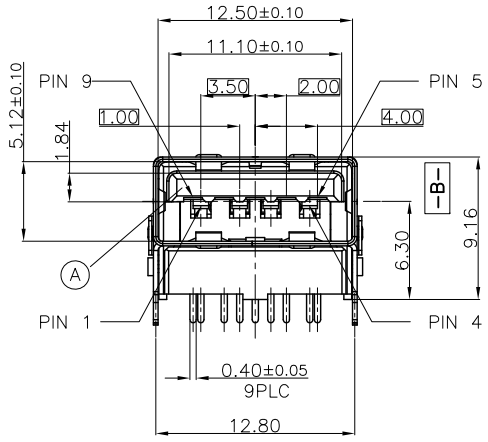


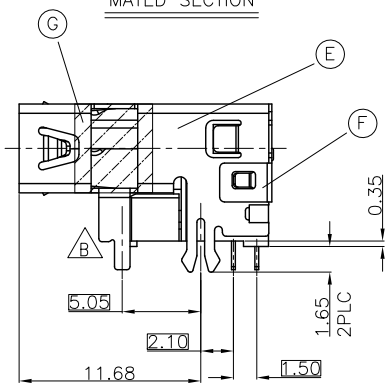


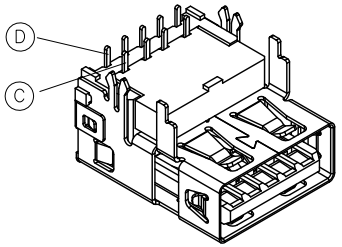
MATED SECTION

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   1-1. CURRENT RATING: 1.8A (PIN1,4) ; OTHER CONTACTS 0.25A
   1-2. CONTACT RESISTANCE: 30mΩ MAX.
   1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE
   1-4. INSULATION RESISTANCE: 100MΩ MIN .
2. MECHANICAL CHARACTERISTICS:
   2-1. INSERTION FORCE : 3.5 Kgf MAX.
   2-2. WITHDRAWAL FORCE : 3.5Kgf MAX.
   INITIAL : 1.0Kgf.
   TEST AFTER : 0.80Kgf.
3. DURABILITY: 5,000 CYCLES.
4. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
5. HALOGEN PRODUCT IDENTIFICATION MARK ON JACK: ◎
6. HALOGEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. FOR WAVE SOLDERING LEAD-FREE PROCESS.
8. DATE : YYMMDD-
9. PACKAGING : TAPE & REEL.



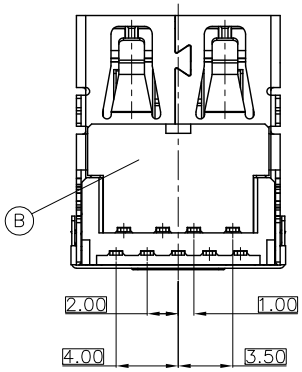


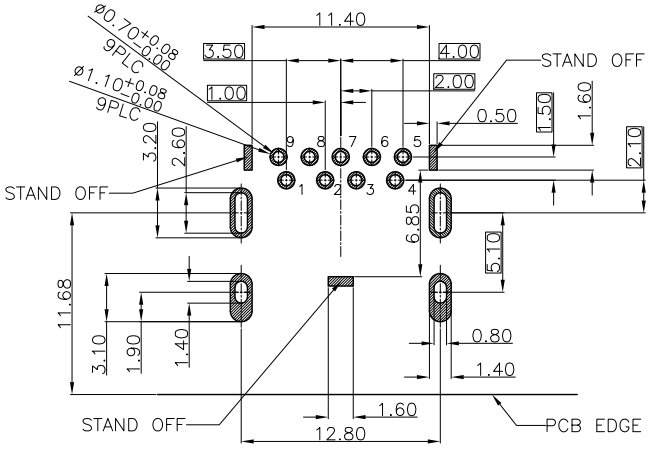


3D VIEW

GEN2 10G

REMARK	Pin Number	Signal ASSIGNMENT
USB2.0 CONTACT PIN	PIN 1	VBUS
	PIN 2	D-
	PIN 3	D+
	PIN 4	GND
USB3.0 CONTACT PIN	PIN 5	StdA_SSRX-
	PIN 6	StdA_SSRX+
	PIN 7	GND_DRAIN
	PIN 8	StdA_SSTX-
	PIN 9	StdA_SSTX+





Recommended P.C.B Layout(THK:1.0mm)

TOLERANCE=±0.05

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	MYLAR	2	T=0.06mm	YELLOW
F	SHELL COVER	1	STAINLESS STEEL,T=0.30	N/A
E	SHELL	1	STAINLESS STEEL,T=0.30	NICKEL 60u"MIN
D	5 PIN TERMINAL	5	BARSS,T=0.25	15uin Au OVER PLATED ON MATING AREA, Matt. Sn 100uin Min.PLATED ON SOLDERING 60uin NICKEL UNDER PLATING OVERALL
C	4 PIN TERMINAL	4	COPPER ALLOY, T=0.25	
B	BASE	1	HIGH TEMP.THERMOPLASTIC	BLUE(300C)
A	BODY	1	HIGH TEMP.THERMOPLASTIC	BLUE(300C)

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: X :±0.5 X.X :±0.3 X.XX :±0.2

ANGLES: X :±2° X.X :±1°

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	USB 3.0 CONNECTOR			
DWN	HAOLAN	PART NO:2UB4019-001121F		
CHKD	ALLEN	SCALE:4:1	UNIT: mm	
APVD	BOYE	SIZE: A3	SHEET:1 OF 1	REV:B

CUSTOMER COPY

文件編號 RD-06-043-A